

U.S. Patent Application No. 10/042,549
Amendment dated August 28, 2003
Reply to Office Action of April 28, 2003

Amendments to the Drawings:

The attached sheet of drawings includes changes to Figures 2(A) and 2(B). This sheet, which includes Figures 2(A) and 2(B) replaces the original sheet including Figure 2(A) and 2(B).

In Figure 2(A) 1800°C should read 1800°F, 1850°C should read 1850°F, 1900°C should read 1900°F, and 950°C Anneal X 2 Hours should read 1742°F Anneal X 2 Hours. In Figure 2(B) 1800°C should read 1800°F, 1850°C should read 1850°F, 1900°C should read 1900°F, 1050°C Anneal X 2 Hours should read 1922°F Anneal X 2 Hours, and 1150°C Anneal X 2 Hours should read 2102°F Anneal X 2 Hours.

Attachment: Replacement Sheet

Annotated Sheet Showing Changes

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Replacement Sheet

PROCESS	SAMPLE LOCATION	1742°F ANNEAL X 2 HOURS		
		Average Grain Size (μm)	Grain Size Range	Recrystallize Percent
Commercial Process	Center			
Commercial Process	Edge			
9.5"Ø, Extrude 1800°F	Center	46	<10-240	95
9.5"Ø, Extrude 1800°F	Edge	40	<10-250	99
9.5"Ø, Extrude 1850°F	Center	33	<10-240	80
9.5"Ø, Extrude 1850°F	Edge	35	10-290	65
9.5"Ø, Extrude 1900°F	Center	33	10-180	50
9.5"Ø, Extrude 1900°F	Edge	35	<10-225	98
10.25"Ø, Extrude 1900°F	Center	32	10-110	65
10.25"Ø, Extrude 1900°F	Edge	28	<10-200	85

FIGURE 2(A)

PROCESS	1922°F ANNEAL X 2 HOURS			2102°F ANNEAL X 2 HOURS		
	Average Grain Size (μm)	Grain Size Range	Recrystallize Percent	Average Grain Size (μm)	Grain Size Range	Recrystallize Percent
Commercial Process	60	20-245	76			
Commercial Process	60	10-155	100			
9.5"Ø, Extrude 1800°F	45	10-150	95	60	10-150	100
9.5"Ø, Extrude 1800°F	35	10-135	100	75	10-200	100
9.5"Ø, Extrude 1850°F	65	<10-110	100	75	10-110	100
9.5"Ø, Extrude 1850°F	63	<10-110	100	62	10-145	100
9.5"Ø, Extrude 1900°F	32	10-180	100	86	10-145	100
9.5"Ø, Extrude 1900°F	32	<10-90	99	122	10-135	100
10.25"Ø, Extrude 1900°F	35	10-80	99	56	10-135	100
10.25"Ø, Extrude 1900°F	38	<10-110	100	70	10-160	100

FIGURE 2(B)